



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

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March 27, 2017

17-NWP-031

Mr. Doug Shoop, Manager
Richland Operations Office
United States Department of Energy
PO Box 550, MSIN: H5-20
Richland, Washington 99352

Re: Inspection Close-out Letter for Air Operating Permit (AOP) Discharge Points Managed by
Johnson Controls Inc.: 1.4.48

Dear Mr. Shoop:

As part of continuous compliance verification, the Department of Ecology (Ecology) conducts facility inspections of units subject to the Hanford Site AOP and Approval Orders. This letter communicates the results of an inspection performed by Ecology on August 9, 2016, of Johnson Controls Inc.'s discharge point 1.4.48.

Compliance with applicable conditions of AOP 00-05-06 Renewal 2, Revision B was the basis for the inspection. Records were reviewed for the time period January 1, 2015, to August 9, 2016.

The results of the inspection and compliance status are provided below.

1.4.48 234-5Z

Ecology determined that the 1.4.48 234-5Z was in continuous compliance for 2015 and 2016. See below for details of compliance determination.

- The AOP has requirements to:
 - Change the oil, change oil filter, and inspect all hoses and belts every 500 hours of operation or annually.
 - Inspect air cleaner every 1,000 hours of operation or annually.
- The AOP also has a requirement to operate and maintain the engine in accordance with manufacturer's recommendations or instructions. The manufacturer's operations and maintenance (O&M) manual has requirements that are more restrictive than those provided in the AOP in that they specify weekly maintenance to be performed by an Authorized Operator.



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- The records indicate that the AOP requirements listed above were performed accordingly, but the more restrictive weekly requirements specified in the O&M manual were not performed accordingly.
 - However, the records and the contractor confirmed that all the necessary maintenance is being performed by factory trained repair-maintenance personnel authorized by the manufacturer (CAT) and is likewise considered to be performed according to their recommendations in that regard. The records indicate the engine only ran for 30 hours from August 13, 2014, to August 9, 2016.

If you have any questions, please contact me at daniel.heuston@ecy.wa.gov or (509) 372-7895.

Sincerely,



Daniel Heuston, PE
Environmental Engineer 3
Nuclear Waste Program

jvs

cc electronic:

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